

TITLE 327 WATER POLLUTION CONTROL BOARD

DRAFT RULE

#98-274(WPCB)

DIGEST

Amends 327 IAC 8-12 concerning the classification of water and wastewater treatment plants and distribution systems and the examination and certification of operators. Effective 30 days after filing with the secretary of state.

HISTORY

First Notice of Comment Period: #98-274(WPCB) January 1, 1999, Indiana Register (22 IR 1261).

Second Notice of Comment Period: May 1, 2000, Indiana Register (23 IR 2122).

Notice of First Hearing: June 1, 2000, Indiana Register (23 IR 2261)

Date of First Hearing: June 14, 2000.

327 IAC 8-12-0.3 327 IAC 8-12-3.2 327 IAC 8-12-7

327 IAC 8-12-0.5 327 IAC 8-12-3.4 327 IAC 8-12-7.1

327 IAC 8-12-1 327 IAC 8-12-3.6 327 IAC 8-12-7.5

327 IAC 8-12-1.1 327 IAC 8-12-3.8 327 IAC 8-12-7.6

327 IAC 8-12-2 327 IAC 8-12-4 327 IAC 8-12-8

327 IAC 8-12-2.5 327 IAC 8-12-5

327 IAC 8-12-3 327 IAC 8-12-6

SECTION 1. 327 IAC 8-12-0.3 IS ADDED TO READ AS FOLLOWS:

Rule 12. Classification of Community Public Water System and Nontransient Noncommunity Public Water System Treatment Plants and Distribution Systems; Examination and Certification of Operators

327 IAC 8-12-0.3 Purpose

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 0.3. (a) The purpose of this rule is to establish the following:

(1) A classification system for community publicwater system and nontransient noncommunity public water system treatment plants and distribution systems.

(2) The criteria by which a person may become a water treatment plant and water distribution system certified operator.

(b) The intended result of this rule is to ensure that the water treatment plant and water distribution system operators of:

(1) community public water systems;

(2) nontransient noncommunity public water systems;

(3) transient noncommunity surface water public water systems; and

(4) transient noncommunity public water systems that employ complex treatment;

are trained, certified, and have knowledge of the public health reasons for drinking water standards thereby providing consumers with a safe drinking water supply.*(Water Pollution Control Board; 327 IAC 8-12-0.3)*

SECTION 2. 327 IAC 8-12-0.5 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-0.5 Applicability

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 0.5. This rule applies to:

(1) a certified operator who works at;

(2) a person endeavoring to become a certified operator at; and

(3) the owner of;

a community public water system, nontransient noncommunity public water system, transient noncommunity public water system using surface water, or a transient noncommunity public water system that requires complex treatment.*(Water Pollution Control Board; 327 IAC 8-12-0.5)*

SECTION 3. 327 IAC 8-12-1 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-1 Definitions

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-11-2; IC 13-18-11

Sec. 1. In addition to the definitions contained in ~~IC 13-7-1, IC 13-1-3-1.5, IC 13-1-6-2, IC 13-11-2~~ and 327 IAC 1, the following definitions apply throughout this rule:

(1) "Acceptable experience" means employment in the actual hands-on operation of a water treatment **plant or water distribution or wastewater treatment plant system.** Experience in water or wastewater treatment plant maintenance **that directly relates to plant operation** will be given a **maximum of fifty percent (50%) credit for operational experience for those employed solely in these areas. this area.** Experience in a water **treatment plant** laboratory **that directly relates to plant operation** will also be given a **maximum of fifty percent (50%) credit for operational experience for those employed solely in this area.** Experience in wastewater laboratory, however, ~~will be given full credit for operational experience for those employed solely in this area.~~ **Acceptable experience shall be obtained under the supervision of a certified operator or by otherwise demonstrating to the commissioner that the applicants experience meets the requirements described by this subdivision.**

(2) "Applicant" means ~~any individual~~ a person seeking certification **as a water treatment or water distribution system certified operator,** whether or not the person is currently employed as ~~the~~ **an** operator.

(3) "Application" means a written request for certification under this rule addressed to the commissioner.

(4) ~~AA~~ **Automated monitoring@** means a continuous monitoring system that will cause an alarm, dialer, or pager to notify a certified operator in cases where a water treatment plant or water distribution system may fail during periods of normal operation.

(5) ~~AA~~ **available@** means that, based on water treatment or water distribution system size, complexity, and source water quality, a certified operator must be on site or able to be contacted if needed to initiate

appropriate action in a timely manner.

~~(4)~~ **(6) "Certificate" means an appropriate document suitable for framing, attesting to the competency of the** **containing the following information:**

(A) Affirmation that the named person named therein and bearing has fulfilled the requirements, including receiving a passing examination grade, necessary for the operation of the water treatment plant or water distribution system for which application was made.

(B) The water treatment plant or water distribution system classification of the plant that he may operate, together with be operated under the issued certificate.

(C) The date of issuance. and

(D) An appropriate identifying identification number unique to each certificate document.

~~(5)~~ **(7) "Certification card" means a card bearing issued to a person who has fulfilled the requirements to be a water treatment plant or distribution system certified operator and contains the following information:**

(A) The name and certificate number of the person.

(B) The classification of the water treatment plant or distribution system that the named person may be operated, and operate.

(C) An expiration date.

(8) A Certified operator® means a person who has:

(A) met the requirements of this rule; and

(B) a valid certificate in a classification identified in section 2 of this rule for water treatment or water distribution operation.

(9) A Certified operator in responsible charge® means a person designated by the owner or governing body of a water treatment facility or water distribution system to be the certified operator who makes decisions

regarding the daily operational activities of a public water system treatment facility or distribution system that will directly impact the quality or quantity of drinking water from community public water supply systems and nontransient noncommunity public water supply systems.

(10) ACommissioner@ means the commissioner of the department of environmental management.

~~(6)~~ **(11) AContact hour@ means a fifty (50) to sixty (60) minute instructional session involving a qualified an instructor or lecturer approved by the commissioner. Ten (10) contact hours equals one (1) continuing education unit (CEU) as defined by the National Task Force on the Continuing Education Unit.**

~~(7) ADesign population equivalent@ means the PE for which the plant is designed.~~

~~(8) AOperator@ means the person in direct or responsible charge and supervising the operation of a wastewater or water treatment plant and/or a water distribution system.~~

~~(9) APopulation equivalent (PE)@ means the calculated population which would contribute the same amount of biochemical oxygen demand (BOD) per day using the base of seventeen hundredths (0.17) pounds of five (5) day BOD per capita per day.~~

~~(10) AResponsible charge@ means the individual responsible for the overall daily operation, supervision, or management of a water or wastewater facility. In Class III, IV, C, or D plants, the individual supervising and responsible for a major section of the plant or an operating shift may be credited with responsible charge experience.~~

(12) AOperating shift@ means that period of time during which operator decisions that affect public health are necessary for the proper operation of the system.

(13) APlant operation@ means the time of:

(A) actual production; or

(B) pumping to produce drinking water supply.

(14) APopulation served@ means the currently accepted population equivalent.

~~(11)~~ **(15)** A Training provider[®] means a person who conducts or presents a course training session approved under **section 7.1** of this rule.

(Water Pollution Control Board; 327 IAC 8-12-1; filed Sep 24, 1987, 3:00 p.m.: 11 IR 719; filed Sep 19, 1990, 3:00 p.m.: 14 IR 259; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1230)

SECTION 4. 327 IAC 8-12-1.1 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-1.1 Responsibilities

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 1.1. The owner or governing body of a water or wastewater treatment plant or water distribution system shall ~~notify~~ **be responsible to accomplish the following:**

(1) Place each water treatment facility and water distribution system under the direct supervision of a certified operator in responsible charge who:

(A) has a valid certification of a grade eligible for operation at the classification of water treatment facility or water distribution system of responsibility; and

(B) is available to make process control or system integrity decisions about water quality or quantity that affect public health.

(2) Designate one (1) certified operator to have complete responsibility for the proper operation of the water treatment plant or water distribution system.

(3) Assure that a minimum of one (1) operator certified according to this rule must be available for each operating shift.

(4) Notify the commissioner of the name of the person designated according to subdivision (1) to be the certified operator in responsible charge.

(5) Submit written notice to the commissioner when there is no later than thirty (30) days following a change in the individual person serving as the certified operator in responsible charge. of the facility. The notification shall be made no later than thirty (30) days after a change in the operator.

(Water Pollution Control Board; 327 IAC 8-12-1.1; filed Sep 19, 1990, 3:00 p.m.: 14 IR 259)

SECTION 5. 327 IAC 8-12-2 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-2 Classification of water distribution systems and water treatment plants

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 2. ~~(a) Wastewater treatment plants, other than industrial wastewater treatment plants, shall be classified in one (1) of five (5) classifications. These classifications shall be based on the design population equivalent of the plant as follows:~~

~~(1) Class I-SP: All waste stabilization ponds, including controlled discharge and continuous discharge, regardless of flow.~~

~~(2) Class I: Plants having a design population equivalent of less than two thousand (2,000).~~

~~(3) Class II: Plants having a design population equivalent between equal to or greater than two thousand (2,000) and less than ten thousand (10,000).~~

~~(4) Class III: Plants having a design population equivalent between equal to or greater than ten thousand (10,000) and less than forty thousand (40,000).~~

~~(5) Class IV: Plants having a design population equivalent in excess of forty thousand (40,000).~~

~~(b) Industrial wastewater treatment plants shall be classified in one (1) of five (5) classifications. These classifications shall be based on the type of treatment afforded, design population equivalent, and the average daily flow as follows:~~

~~(1) Class A-SO as follows:~~

~~(A) Primary solids removal facilities such as settling tanks, settling ponds, sand filters, and screens used for removal of settleable inorganic solids only.~~

~~(B) Tanks, ponds, centrifuges, and other facilities used to separate floatable oils and solids.~~

~~(C) In some cases, simple pH neutralization may be included. Wastewater flow is not a limiting factor in the classification of this type of treatment plant.~~

~~(2) Class A as follows:~~

~~(A) Secondary treatment facilities such as waste stabilization ponds, both anaerobic and aerobic, trickling filter and activated sludge-type treatment plants, aerated lagoons, and other biological treatment facilities that treat wastewater loads of less than two thousand (2,000) design population equivalent.~~

~~(B) Spray, broad, and ridge and furrow irrigation facilities that treat a wastewater flow of less than two hundred thousand (200,000) gallons per day.~~

~~(3) Class B as follows:~~

~~(A) Secondary treatment facilities such as waste stabilization ponds, both anaerobic and aerobic, trickling filter and activated sludge-type treatment plants, aerated lagoons, and other biological treatment facilities that treat wastewater loads equal to or greater than two thousand (2,000) design population equivalent and less than ten thousand (10,000) design population equivalent.~~

~~(B) Spray, broad, and ridge and furrow irrigation facilities that treat a wastewater flow equal to or greater than two hundred thousand (200,000) gallons per day and less than one million (1,000,000) gallons per day.~~

~~(C) Chemical treatment facilities such as cyanide destruction, chromium reduction, acid or alkali neutralization, coagulation and flocculation, air flotation, air stripping, wet air oxidation, ion exchange, ultrafiltration, reverse osmosis, and activated carbon filtration that handle or treat wastewater flow less than fifty thousand (50,000) gallons per day.~~

~~(4) Class C as follows:~~

~~(A) Secondary treatment facilities such as waste stabilization ponds, both anaerobic and aerobic, trickling filter and activated sludge-type treatment plants, aerated lagoons, and other biological~~

~~treatment facilities that treat wastewater loads equal to or greater than ten thousand (10,000) design population equivalent and less than forty thousand (40,000) design population equivalent.~~

~~(B) Spray, broad, and ridge and furrow irrigation facilities that treat a wastewater flow equal to or greater than one million (1,000,000) gallons per day and less than four million (4,000,000) gallons per day.~~

~~(C) Chemical treatment facilities, such as cyanide destruction, chromium reduction, acid or alkali neutralization, coagulation and flocculation, air flotation, air stripping, wet air oxidation, ion exchange, ultrafiltration, reverse osmosis, and activated carbon filtration that handle or treat a wastewater flow equal to or greater than fifty thousand (50,000) gallons per day and less than two hundred thousand (200,000) gallons per day.~~

(5) Class D as follows:

~~(A) Secondary treatment facilities such as waste stabilization ponds, both anaerobic and aerobic, trickling filter and activated sludge-type treatment plants, aerated lagoons, and other biological treatment facilities that treat wastewater loads equal to or greater than forty thousand (40,000) design population equivalent.~~

~~(B) Chemical treatment facilities such as cyanide destruction, chromium reduction, coagulation and flocculation, air flotation, air stripping, wet air oxidation, ion exchange, ultrafiltration, reverse osmosis, and activated carbon filtration, that handle or treat a wastewater flow equal to or greater than two hundred thousand (200,000) gallons per day.~~

~~(C) Deep well disposal systems, thermal evaporators, and incinerators used in conjunction with liquid waste disposal.~~

~~(D) All industries that have two (2) or more waste treatment plants at one (1) industrial site listed in Class B or C or those industries employing highly~~

~~complex waste treatment methods.~~

~~(E) Some industrial wastewater treatment plants may have more than one (1) treatment process involved, even though they have only one (1) treatment plant. An industrial treatment plant may be classified based on secondary treatment PE, spray irrigation volume, or chemical treatment volume, whichever is the highest classification. In these cases, the highest classification involved is the one used.~~

~~(e) (a) A water distributionsystems which serve at least twenty-five (25) service connections used by year-round residents or regularly serve at least one hundred (100) year-round residents,system shall be classified in one (1) of two (2) three (3) classifications based on population served, as follows:~~

(1) Class DSS (distribution system small) includes systems that:

(A) serve a population of less than three thousand three hundred (3,300); and

(B) have no components other than:

(i) pressure tanks; or

(ii) storage tanks.

~~(1) (2) Class DS: Systems serving fewer~~ **DSM (distribution system medium) includes systems that meet one (1) of the following:**

(A) Serve a population greater than or equal to three thousand three hundred one (3,301) but less than fifteen or equal to ten thousand (15,000) (10,000) people and have no mechanical means of movement of water other than one (1) of the following:

(i) Pressure tanks.

(ii) Storage tanks.

(B) Consist of the following:

(i) Pump.

(ii) Storage tanks.

(iii) Booster pumps to storage tanks.

(2) (3) Class ~~DS-L~~: Systems serving fifteen DSL (distribution system large) includes systems that meet one (1) of the following:

(A) Serve a population greater than or equal to ten thousand ~~(15,000)~~ one (10,001) people. or more.

(B) Consist of the following:

(i) Storage tanks.

(ii) Booster pumps to the distribution system.

(iii) Mechanical devices for movement of water beyond storage.

~~(d) (b) A~~ water treatment plants which serve at least twenty-five (25) service connections used by year-round residents or regularly serve at least one hundred (100) year-round residents **plant shall be classified in one (1) of five ~~(5)~~ **six (6)** classifications, based on population served and type of treatment as follows:**

(1) Class WT 1 includes systems that meet the following:

(A) Serve a population less than or equal to five hundred (500) people.

(B) Acquire water from one (1) of the following:

(i) Ground water.

(ii) Purchase.

(C) Have one (1) of the following:

(i) Ion exchange softening process for cation removal.

(ii) Inline filtration device with no chemical treatment.

~~(1)~~ **(2) Class CT: Plants using WT 2 includes systems with no population limitations that meet the following:**

(A) Acquire water from one (1) of the following:

(i) Ground water.

(ii) Purchase.

(B) Utilize chemical feed to achieve one (1) of the following:

(i) Disinfection.

**(ii) Fluoride
standardization. or**

**(iii) Water stabilization.
regardless of population
served.**

~~(2)~~ **(3) Class PF: Plants using WT 3 includes systems that meet the following:**

(A) Acquire water from one (1) of the following:

(i) Ground water.

(ii) Purchase.

**(B) Utilize chemical feed. to achieve disinfection,
fluoride standardization, or water stabilization plus**

(C) Have one (1) of the following:

**(i) Pressure or gravity
filtration. to treat well water
sources for iron,
manganese, or hydrogen
sulfide removal and/or
oat**

**(ii) Ion exchange
processes if the
population served is**

greater than five hundred one (501).

(iii) Lime soda softening.

(iv) Reverse osmosis.
regardless of population
served.

~~(3) (4) Class GF: Plants requiring chemical feed, coagulation and flocculation, sedimentation, filtration, and disinfection, or any combination of these processes, for the purification of water to~~ **WT 4 includes systems that meet the following:**

(A) Serve fewer a population less than fifteen or equal to ten thousand ~~(15,000)~~ **(10,000)** people.

(B) Acquire water from one (1) of the following:

(i) Surface water.

(ii) Ground water under the direct influence of surface water.

~~(4) (5) Class AT: Plants requiring the same processes as a Class GF plant, but serving more~~ **WT 5 includes systems that meet the following:**

(A) Serve a population greater than fifteen ten thousand one ~~(15,000)~~ **(10,001)** people. ~~or using a lime softening process, regardless of the population served.~~

(B) Acquire water from one (1) of the following:

(i) Surface water.

(ii) Ground water under the direct influence of surface water.

~~(5) (6) Class SP: Plants employing specific and complex~~ **WT 6 includes systems that utilize newly emerging** treatment technology not commonly in use for drinking water treatment in Indiana, **as determined by the commissioner.**

~~(e) Water and wastewater treatment plants and water distribution systems will be reclassified by the commissioner if there are changes in the conditions or circumstances upon which the original classification was based. Due notice of any such change in classification shall be given to the governing body or owner and to the operators, and such notice shall indicate the classification of the operator who will be required to supervise the reclassified plant or system and how soon an operator with such qualifications must be obtained.~~

~~(f) Water and wastewater treatment plants may be given a different classification by the commissioner than indicated in subsections (a) through (d) if they incorporate special or complex equipment or features of design requiring more difficult operation, if the wastewater or raw water is unusually difficult to treat, if more than ordinary chemical or bacteriological controls are required, or if an unusually high degree of skill is required in the operation of the plant to assure the continuous production of an effluent meeting the requirements of the stream or the uninterrupted supply of safe, potable drinking water. (Water Pollution Control Board; 327 IAC 8-12-2; filed Sep 24, 1987, 3:00 p.m.: 11 IR 719; filed Sep 19, 1990, 3:00 p.m.: 14 IR 259; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1230; errata filed Mar 9, 1995, 4:15 p.m.: 18 IR 1836)~~

SECTION 6. 327 IAC 8-12-2.5 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-2.5 Reclassification of water treatment plants and water distribution systems

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 2.5. (a) Water treatment plants and water distribution systems will be reclassified by the commissioner if there are changes in the conditions or circumstances upon which the original classification was based. Notice of any such change in classification shall be given to the governing body or owner and to the operators, and such notice shall indicate the classification of the certified operator who will be required to supervise the reclassified plant or system and how soon an operator with such qualifications must be obtained.

(b) A water treatment plant may be reclassified by the commissioner if one (1) of the following situations exists:

(1) The treatment plant utilizes:

(A) special or complex equipment;

(B) newly emerging treatment technology; or

(C) features of design requiring more difficult operation.

(2) The raw water is unusually difficult to treat.

(3) More than ordinary chemical or bacteriological control or controls are required.

(4) An unusually high degree of skill is required in the operation of the treatment plant to assure an uninterrupted supply of safe, potable drinking water.

(Water Pollution Control Board; 327 IAC 8-12-2.5)

SECTION 7. 327 IAC 8-12-3 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-3 Qualifications of a certified operator

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-11-2; IC 13-18-11

Sec. 3. (a) ~~In order to operate a wastewater or water treatment plant or a water distribution system, the operator shall have qualifications as established in this section.~~ **become a certified operator of a water treatment plant or a water distribution system, a person must:** ~~(b) An individual meeting the minimum requirements for a certificate shall be examined~~ **(1) meet the qualifications specified in subsection (b); and**

(2) pass the certification examination required ~~by the commissioner as to educational skills, operational experience, and knowledge related to the effective functioning of a plant or system in the classification for which he seeks certification. Applicants shall be honest, dependable, interested in their work, and have the supervisory characteristics needed to produce satisfactory operation of the plant or system. They should be of good health and physically capable of fulfilling all requirements of the job. All individuals meeting the minimum requirements must pass the examination unless exempted by statute or rule. Applicants must meet the minimum education and experience requirements prior to taking the exam.~~

~~(c) All applicants shall have~~ **(b) Prior to applying to take the water treatment plant or water distribution system operator certification examination given by the commissioner, a person must have the following qualifications:**

(1) The educational skills necessary to:

~~(1) handle~~ **(A) make simple computations with**
fractions and decimals;

~~(2)~~ **(B) read a linear scale;**

- ~~(3)~~ **(C)** calculate volumes of simple shapes;
- ~~(4)~~ **(D)** make simple computations of multiplication and division;
- ~~(5)~~ **(E)** keep records;
- ~~(6)~~ **(F)** read and write the English language to the extent of interpreting service manuals and work orders and submitting written reports; ~~and~~
- ~~(7)~~ **(G)** understand basic principles of sanitation; ~~and~~
- (H)** understand basic principles of science.

~~(d) In evaluating~~ **(2) With the exception of an operator in training,**
experience qualifications of applicants acceptable to the commissioner will
be guided by the **in the field of water treatment or water distribution that:**

(A) demonstrates the examination applicant's work
experience record with regard to the amount of
technical knowledge; required by the work.
~~Acceptable experience must be~~

**(B) can be verified based on information from
available sources, primarily the applicants water
treatment plant or water distribution system
employer;**

**(C) is the result of satisfactory accomplishment of
work Evaluation may be based on information from
available sources. Experience will be in accordance
with the following:**

(i) Measured from the date
of employment of the
applicant to the ~~end~~ **date** of
the ~~thirty (30) day grading
period following the next~~
scheduled examination.

**(ii) Received under the
supervision of a certified
operator qualified to
operate the same**

**classification of treatment
plant or distribution
system as that of the
applicant's certification
application.**

~~(e) Eleven (11) classes of operators for wastewater treatment plants are established in this subsection. Qualifications are intended to relate as nearly as possible to the corresponding classifications for wastewater treatment plants as follows:~~

~~(1) Operator in training, Class O.I.T. requirements shall be as follows:~~

~~(A) Completion of high school or equivalent.~~

~~(B) Three (3) months of acceptable experience in a wastewater treatment plant or completion of an approved training course.~~

~~(C) The certificate will be valid in industrial and municipal wastewater treatment plants. The certificate shall be issued for a one (1) year period and cannot be renewed.~~

~~(2) Class A-SO requirements shall be as follows:~~

~~(A) Completion of high school or equivalent.~~

~~(B) One (1) year acceptable experience in a wastewater treatment plant.~~

~~(C) Certificate is limited to Class A-SO treatment plant operations.~~

~~(3) Class I, Class I-SP, or Class A requirements shall be as follows:~~

~~(A) Completion of high school or equivalent.~~

~~(B) One (1) year of acceptable experience at a wastewater treatment plant.~~

~~(4) Class II or Class B requirements shall be as follows:~~

~~(A) Completion of high school or equivalent.~~

~~(B) Three (3) years of acceptable experience at a wastewater treatment plant.~~

(5) ~~Class III or Class C~~ requirements shall be as follows:

(A) ~~Completion of high school or equivalent.~~

(B) ~~Three (3) years of acceptable experience at a wastewater treatment plant Class II, Class B, or higher.~~

(C) ~~Two (2) years of the three (3) years experience requirement shall be in a position of responsible charge of a Class II, Class B, or higher wastewater treatment facility.~~

(6) ~~Class IV or Class D~~ requirements shall be as follows:

(A) ~~A college degree with a major in a science curriculum or an associate's degree in a curriculum related to wastewater treatment.~~

(B) ~~At least five (5) years of acceptable experience at a wastewater treatment plant of Class III, Class C, or higher.~~

(C) ~~Two (2) years of the five (5) years experience requirement shall be in a position of responsible charge of a Class III, Class C, or higher wastewater treatment facility.~~

(7) ~~Substitutions of education and experience will be allowed based on the following table:~~

Class	Education	Experience		Substitution of Experience for Responsible Charge	Substitution of Experience for Education
		Total Required	Substitutable		
O.I.T.	High school diploma or G.E.D.	3 months	3 months		See Note (2)
			See Note (4)	---	
A-SO, A,	High	1 year	0	---	See Note (2)

I, and I-SP	school-diploma or G.E.D.				
B and II	High-school diploma or G.E.D.	3 years	1 year	---	See Note (2)
			See Note (1)		
C and III	High-school diploma or G.E.D.	3 years at Class B, II, or higher and 2 years responsible-charge	1 year	See Note (5)	See Note (2)
			See Note (1)		
D and IV	College degree	5 years at Class C, III, or higher and 2 years responsible-charge	2 years	See Note (5)	See Note (2)
	See Note (3)		See Note (1)		

Note (1): Sixteen (16) semester hours, twenty-four (24) credit hours, or twenty-four (24) continuing education units equals one (1) year of experience. There is no substitution of education for responsible-charge experience. That portion of education which is applied toward substitution for experience cannot be used for the education requirement.

Note (2): One (1) year of experience equals two (2) years of high school or six (6) months of college. One (1) year of responsible charge experience equals one (1) year of college. That portion of experience which is applied toward substitution for education cannot be used for the experience requirement.

Note (3): One (1) year of college equals thirty-two (32) semester hours, forty-eight (48) credit hours, or four hundred eighty (480) contact hours.

Note (4): Three (3) months of experience may be substituted with the completion of a comprehensive course in wastewater treatment approved by the commissioner.

Note (5): Operational, responsible charge, and educational experience are interchangeable at the following ratios: Two (2) years of operational experience shall equal one (1) year of responsible charge experience. Two (2) years of operational experience shall equal one (1) year of college education or two (2) years of high school education. One (1) year of responsible charge experience shall equal one (1) year of college education or two (2) years of high school education. That portion of experience which is interchanged for another may not be used to satisfy any remaining experience requirement.

(f) Two (2) grades of water distribution system operators and five (5) grades of water treatment plant operators are established in this subsection. The additional qualifications for each class of operator, and the basic plant or system which an operator in any class is qualified to operate, are as follows:

(1) Grade DS: A Grade DS operator is qualified to operate a Class DS water distribution system. He must have high school education, or its equivalent, and possess the educational skills listed in subsection (c). In addition, he must have had a minimum of one (1) year of acceptable work experience in the operation of a water distribution system.

(2) Grade DS-L: A Grade DS-L operator is qualified to operate a Class DS or a Class DS-L water distribution system. He must have high school education or its equivalent and possess the educational skills listed in subsection (c). In addition, he must be able to maintain inventories, order supplies or equipment, and interpret chemical and bacteriological sample reports. Furthermore, he must have had a minimum of one (1) year of acceptable work experience in the operation of a Class DS-L water distribution system or three (3) years of acceptable work experience in the operation of a Class DS water distribution system.

(3) Grade CT: A Grade CT operator is qualified to operate a Class CT water treatment plant. He must have high school education or its equivalent and possess the educational skills listed in subsection (c). In addition, he must be able to maintain inventories, order supplies or equipment, and interpret chemical and bacteriological sample reports. Furthermore, he must have had a minimum of one (1) year of acceptable work experience in the operation of a Class CT water treatment plant.

(4) Grade PF: A Grade PF operator is qualified to operate a Class CT or Class PF water treatment plant. He must have completed high school or its equivalent and possess the educational skills listed in subsection (c). In addition, he must be able to maintain inventories, order supplies or equipment, and interpret chemical and bacteriological sample reports. Furthermore, he must have had a minimum of two (2) years of acceptable work experience in the operation of a Class PF water treatment plant. Successful completion of educational work at college level in engineering, chemistry, or science related to water treatment may be substituted for work experience at the ratio of four (4) semesters or six (6) quarters of schooling for a total of one (1) year of experience.

(5) Grade GF: A Grade GF operator is qualified to operate a Class CT, a Class PF (without ion exchange and with fewer than fifteen thousand (15,000) population), or Class GF water treatment plant. He must have completed high school or its equivalent and possess the educational skills listed in subsection (c). In addition, he must be able to maintain inventories, order supplies or equipment, and interpret chemical and bacteriological sample reports. Furthermore, he must have had a minimum of two (2) years of acceptable work experience in the operation of a Class GF water treatment plant. Successful completion of educational work at college level in engineering,

chemistry, or science related to water treatment may be substituted for work experience at the ratio of four (4) semesters or six (6) quarters of schooling for a total of one (1) year of experience.

(6) Grade AT: A Grade AT operator is qualified to operate a Class CT, Class PF, Class GF, or Class AT water treatment plant. He must have completed high school or its equivalent and possess the educational skills listed in subsection (c). In addition, he must have the ability to use conversion factors, solve simple mathematical equations, understand simple chemical laboratory equipment, understand the bacteriological procedures used in water supply work, maintain inventories, and order supplies or equipment. Furthermore, he must have had a minimum of three (3) years of acceptable work experience in the operation of a Class AT water treatment plant or five (5) years of acceptable work experience in the operation of a Class PF or Class GF water treatment plant. Successful completion of educational work at college level in engineering, chemistry, or science related to water treatment may be substituted for work experience at the ratio of four (4) semesters or six (6) quarters of schooling for a year of experience, up to a total of two (2) years of experience.

(7) Grade SP: A Grade SP operator is qualified to operate a Class SP water treatment plant. Until any of these special types of plants have become established as routine treatment in the water works industry, the qualifications of the operator will be determined on an individual plant basis by the commissioner.

(8) A Grade PF, GF, or AT operator is qualified to treat wastewater from a water treatment plant provided he is certified to operate that class water treatment plant.

(g) An operator may be designated as being in responsible charge of more than one (1) water or wastewater treatment plant or more than one (1) water distribution system, if it can be shown that he will give adequate supervision to all units involved. Adequate supervision means that sufficient time is spent at the plant on a regular basis to assure that the operator is knowledgeable of the actual operations and that test reports and results are representative of the actual operational conditions.

(h) All persons employed or experienced in the operation of water and wastewater treatment plants and water distribution systems, are encouraged to become certified, even though only one (1) person shall be designated by the governing body as the certified operator with complete responsibility for the proper operation of the water or wastewater facility (*Water Pollution Control Board; 327 IAC 8-12-3; filed Sep 24, 1987, 3:00 p.m.: 11 IR 721; filed Sep 19, 1990, 3:00 p.m.: 14 IR 262; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1232; errata filed Mar 9, 1995, 4:15 p.m.: 18 IR 1836*)

SECTION 8. 327 IAC 8-12-3.2 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-3.2 Certified operator grades

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 3.2. (a) Grade operator-in-training (O.I.T.) is available under the following guidelines:

(1) To a person meeting the following:

(A) Currently employed at a public water system with facilities classified as a Class WT 3, Class WT 4, or Class WT 5 water treatment plant or a DSL water distribution system.

(B) Has fulfilled the qualifications of section 3(a)(2) and 3(b)(1) of this rule.

(2) In accordance with the following:

(A) Until the O.I.T. meets the experience requirement needed for the classification of treatment plant or distribution system where the O.I.T. is accumulating work experience.

(B) Operating work must be accomplished under the supervision of a certified operator in responsible charge who must verify to the commissioner the satisfactory achievement of acceptable experience by the O.I.T.

(C) An O.I.T. may not:

(i) serve as a certified operator in responsible charge;

(ii) transfer an O.I.T. certification to a water treatment plant or distribution system with a public water system identification number (PWSID) different than the PWSID for which the certification was issued;

(iii) hold two (2)

**treatment plant or
distribution system O.I.T
certifications
concurrently; or**

**(iv) renew the O.I.T.
certification.**

(b) A water distribution system certified operator may possess a valid certification in one (1) or more of the following three (3) grades:

(1) Grade DSS is a certified operator qualified to operate a Class DSS water distribution system after having fulfilled the following requirements:

(A) Possess a high school diploma or its equivalent.

(B) Meet the qualifications of section 3 of this rule.

(C) Attain a minimum of one (1) year of acceptable work experience in the operation of a class DSS water distribution system.

(2) Grade DSM is a certified operator qualified to operate a Class DSS and Class DSM water distribution system after having fulfilled the following requirements:

(A) Possess a high school diploma or its equivalent.

(B) Meet the qualifications of section 3 of this rule.

(C) Attain one (1) of the following acceptable work experience requirements:

(i) One (1) year in the operation of a Class DSM water distribution system.

(ii) Two (2) years in the operation of a Class DSS water distribution system.

(3) Grade DSL is a certified operator qualified to operate a Class DSS, Class DSM, and Class DSL water distribution system after having fulfilled the following requirements:

(A) Possess a high school diploma or its equivalent.

(B) Meet the qualifications of section 3 of this rule.

(C) Must be able to:

(i) maintain inventories;

(ii) order supplies and equipment; and

(iii) interpret chemical and bacteriological sample reports.

(D) Attain one (1) of the following acceptable work experience requirements:

(i) One (1) year in the operation of a Class DSL water distribution system.

(ii) Three (3) years in the operation of a Class DSM water distribution system.

(iii) Five (5) years in the operation of a Class DSS water distribution system.

(iv) An acceptable number of years of experience approved by the commissioner if gained in operation of a combination of the various classifications of water distribution systems.

(c) A water treatment plant certified operator may possess a valid certification in one (1) or more of the following five (5) grades:

(1) Grade WT 1 is a certified operator qualified to operate a Class WT 1 water treatment plant after having fulfilled the following requirements:

(A) Possess a high school diploma or its equivalent.

(B) Meet the qualifications of section 3 of this rule.

(C) Must be able to:

(i) maintain inventories;

(ii) order supplies and equipment; and

(iii) interpret chemical and bacteriological sample reports.

(D) Attain a minimum of one (1) year of acceptable work experience in the operation of a Class WT 1 water treatment plant.

(2) Grade WT 2 is a certified operator qualified to operate a Class WT 1 and a Class WT 2 water treatment plant after having fulfilled the following requirements:

(A) Possess a high school diploma or its equivalent.

(B) Meet the qualifications of section 3 of this rule.

(C) Must be able to:

(i) maintain inventories;

(ii) order supplies and equipment; and

(iii) interpret chemical and bacteriological

sample reports.

(D) Attain one (1) of the following acceptable work experience requirements:

(i) One (1) year in the operation of a Class WT 2 water treatment plant.

(ii) Two (2) years in the operation of a Class WT 1 water treatment plant.

(3) Grade WT 3 is a certified operator qualified to operate a Class WT 1, Class WT 2, and Class WT 3 water treatment plant after having fulfilled the following requirements:

(A) Possess a high school diploma or its equivalent.

(B) Meet the qualifications of section 3 of this rule.

(C) Must be able to:

(i) maintain inventories;

(ii) order supplies and equipment; and

(iii) interpret chemical and bacteriological sample reports.

(D) Attain the following acceptable work experience at a minimum:

(i) Two (2) years in the operation of a Class WT 3 water treatment plant.

(ii) Successful completion of educational work at college level in:

(AA)

engineering;

**(BB)
chemistry;
or**

**(CC)
science;**

**related to water
treatment may be
substituted for work
experience required
according to item (i) at
the ratio of four (4)
semesters or six (6)
quarters of schooling for
a maximum substitution
of one (1) year of
experience.**

(4) Grade WT 4 is a certified operator qualified to operate a Class WT 1, Class WT 2, and Class WT 4 water treatment plant after having fulfilled the following requirements:

(A) Possess a high school diploma or its equivalent.

(B) Meet the qualifications of section 3 of this rule.

(C) Must be able to:

(i) maintain inventories;

(ii) order supplies and equipment; and

(iii) interpret chemical and bacteriological sample reports.

(D) Attain the following acceptable work experience at a minimum:

(i) Two (2) years in the

**operation of a Class WT
4 water treatment plant.**

**(ii) Successful completion
of educational work at
college level in:**

**(AA)
engineering;**

**(BB)
chemistry;
or**

**(CC)
science;**

**related to water
treatment may be
substituted for work
experience required
according to item (i) at
the ratio of four (4)
semesters or six (6)
quarters of schooling for
a maximum substitution
of one (1) year of
experience.**

**(iii) Two (2) years in the
operation of a Class WT
3 water treatment plant
may substitute for a
maximum of one (1) year
of experience required
according to item (i).**

**(5) Grade WT 5 is a certified operator qualified to operate a Class WT 1,
Class WT 2, Class WT 4, and Class WT 5 water treatment plant after
having fulfilled the following requirements:**

**(A) Possess a high school diploma or its
equivalent.**

**(B) Meet the qualifications of section 3 of this
rule.**

(C) Must have the ability to:

(i) use conversion factors;

(ii) solve simple mathematical equations;

(iii) understand simple chemical laboratory equipment;

(iv) understand the bacteriological procedures used in water supply work;

(v) maintain inventories; and

(vi) order supplies and equipment.

(D) Attain the following acceptable work experience at a minimum:

(i) One (1) of the following:

**(AA)
Three
(3)
years
in
the
operation
of
a
Class
WT
5
water
treatment
plant.**

**(BB)
Five**

**(5)
years
in
the
operation
of
a
Class
WT
4
water
treatment
plant.**

**(ii) Successful completion
of educational work at
college level in:**

**(AA)
engineering;**

**(BB)
chemistry;
or**

**(CC)
science;**

**related to water
treatment may be
substituted for work
experience required
according to item (i) at
the ratio of four (4)
semesters or six (6)
quarters of schooling for
one (1) year of
experience, up to a
maximum of two (2)
years of experience.**

**(iii) Two (2) years in the
operation of a WT 3
water treatment plant
may be substituted for
one (1) year of experience**

**required according to
item (i) up to a maximum
substitution of two (2)
years experience.**

(6) Grade WT 6 is a certified operator qualified to operate a Class WT 6 water treatment plant that requires operator qualifications determined by the commissioner on an individual plant basis in response to the specialized nature of the water treatment plant.

(d) An applicant for water treatment plant or water distribution system operator certification may submit proof to the commissioner to demonstrate the achievement of an equivalent level of acceptable work experience for that required by the following subsections:

(1) (b)(1)(C).

(2) (b)(2)(C).

(3) (b)(3)(D).

(4) (c)(1)(D).

(5) (c)(2)(D).

(6) (c)(3)(D).

(7) (c)(4)(D).

(8) (c)(5)(D).

(e) A Grade WT 3, Grade WT 4, and Grade WT 5 operator is qualified to apply for the appropriate wastewater treatment certification according to 327 IAC 5-22 to treat wastewater from a water treatment plant provided the operator is certified to operate that classification of water treatment plant. (*Water Pollution Control Board; 327 IAC 8-12-3.2*)

SECTION 9. 327 IAC 8-12-3.4 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-3.4 Grandparenting

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-10.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 3.4. (a) For the purposes of this rule, grandparenting is the process through which the commissioner may issue operator certification to a person who has been working at a water treatment plant or water distribution system that prior to the effective date of this rule was not

required to be under the supervision of a certified operator. An operator certificate to be conferred through grandparenting may be issued if:

**(1) the owner or governing body meets the criterion of subsection (b);
and**

**(2) the recipient of such certificate must abide by the requirements of
subsection (d).**

(b) The commissioner may issue an operator certification in the operator grade appropriate to the classification of water treatment plant or water distribution system where the recipient has been an employee acting in the capacity of an operator making process control decisions that affect the quality or quantity of water from the treatment plant or distribution system if the owner or governing body submits an application to the commissioner before September 1, 2002, requesting certification of each person intended to be designated as one (1) of the facility's operators in responsible charge.

(c) A certification conferred under grandparenting shall be:

**(1) valid only at the site where the person receiving the grandparent
certification gained operator experience;**

(2) valid for three (3) years during which time the operator must:

**(A) fulfill the continuing education requirements
for the grade of operator certification that has
been conferred through grandparenting as listed
in section 7.5 of this rule in order to be eligible for
certification renewal according to section 7(e)(3)
of this rule; and**

**(B) successfully complete an operator training
course specified by the commissioner; and**

**(3) invalid if the classification of the water treatment plant or water
distribution system changes to one (1) requiring a certified operator with
more extensive education or experience qualifications, such as may be
based on:**

(A) increased capacity;

(B) an increase in population served;

**(C) a basic change in the method of water
treatment; or**

(D) another change in conditions that causes a more difficult or complex operation.

(d) If an operator certified under grandparenting according to this section:

- (1) fails to meet the continuing education requirements of section 7.5 of this rule within the required time according to subsection (c)(2); or**
- (2) goes to work at water treatment plant or water distribution system other than the one for which the grandparent certification was conferred;**

then the grandparent certification is voided and the operator must become certified according to the requirements of this rule.*(Water Pollution Control Board; 327 IAC 8-12-3.4)*

SECTION 10. 327 IAC 8-12-3.6 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-3.6 Certified operator in responsible charge

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 3.6. (a) A certified operator may be in responsible charge of more than one (1) water treatment plant or water distribution system, if the following conditions are met:

- (1) The certified operator will be able to provide adequate supervision to all units involved.**
- (2) Prior to undertaking multiple operator positions of responsible charge, a letter signed by the certified operator is submitted to the owner or governing body of each water treatment plant and water distribution system to be under the responsible charge of the certified operator providing the following information:**

(A) The name and location of each each water treatment plant and water distribution system to be under the responsible charge of the certified operator.

(B) The number of hours per week the certified operator shall work at each water treatment plant and water distribution system.

(b) As used in this section, adequate supervision® means that sufficient time is spent at a water treatment plant or water distribution system on a regular basis to assure that the certified

operator is knowledgeable of the actual operations and that test reports and results are representative of the actual operational conditions. A daily visit is the time that a certified operator is present on-site at the facility of responsibility during a twenty-four (24) hour period; : certified operator shall be credited for no more than one (1) daily visit within a twenty-four (24) hour period. The following establishes minimum criteria regarding adequate supervision at each classification of water distribution system and water treatment plant:

(1) DSS must:

(A) be monitored daily by a dependable person or automated system; and

(B) have a certified operator on-site for a minimum of two (2) daily visits every week.

(2) DSM must:

(A) be monitored daily by a dependable person or automated system; and

(B) have a certified operator on-site for a minimum of three (3) daily visits every week.

(3) DSL must:

(A) be monitored daily by a dependable person or automated system; and

(B) have a certified operator on-site for a minimum of five (5) daily visits every week.

(4) WT 1 must:

(A) be monitored daily by a dependable person or automated system; and

(B) have a certified operator on-site for a minimum of three (3) daily visits every week.

(5) WT 2 must:

(A) be monitored daily by a dependable person or automated system; and

(B) have a certified operator on-site for a minimum of five (5) daily visits every week.

(6) WT 3 must:

(A) be monitored daily by a dependable person or automated system; and

(B) have a certified operator on-site for a minimum of five (5) daily visits every week.

(7) WT 4 must have a certified operator on-site during water treatment plant operation unless the plant is equipped with an automated system approved by the commissioner.

(8) WT 5 must have a certified operator on-site during water treatment plant operation unless the plant is equipped with an automated system approved by the commissioner.

(c) The commissioner may request written submission documenting the following:

(1) The name, location, and classification of each water treatment plant and water distribution system under the responsible charge of a certified operator.

(2) The amount of time that a certified operator in responsible charge spends at a facility of responsibility identified according to subdivision (1).

(d) The commissioner shall evaluate information required by this section and any other information pertinent to a water treatment plant or water distribution system under the supervision of a certified operator in responsible charge of multiple facilities and may determine the following:

(1) The time provided for supervision is inadequate.

(2) An amount of time that the certified operator in responsible charge shall be required to spend in the operation of each water treatment plant or water distribution system.

(3) A reduction of the number of water treatment plants or water distribution systems over which the certified operator may have responsible charge.

(4) A reduction of the number of daily visits to be required by the certified operator.

(Water Pollution Control Board; 327 IAC 8-12-3.6)

SECTION 11. 327 IAC 8-12-3.8 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-3.8 Certification transition

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 3.8. (a) A certified operator whose certification is valid on the effective date of this rule shall transition to a grade of certification according to the following:

(1) A Grade DS certified operator shall transition to a Grade DSM certification.

(2) A Grade DS certified operator shall transition to a Grade DSL certification if the certified operator has experience in the operation of a distribution system that:

(A) serves a population of more than ten thousand one (10,001); or

(B) is classified as DSL according to section 2 of this rule.

(3) A Grade DS-L certified operator shall transition to a Grade DSL certification.

(4) A Grade CT certified operator shall transition to a Grade WT 2 certification.

(5) A Grade PF certified operator shall transition to a Grade WT 3 certification.

(6) A Grade GF certified operator shall transition to a Grade WT 4 certification.

(7) A Grade GF certified operator shall transition to a Grade WT 5 certification if the certified operator has experience in the operation of a water treatment plant that is classified as Class WT5 according to section 2 of this rule.

(8) A Grade AT certified operator shall transition to a Grade WT 3 and Grade WT 5 certification.

(b) A certified operator having certification that:

(1) is valid on the effective date of this rule; and

(2) was obtained by virtue of the position held July 1, 1972;

shall be eligible to operate only the water treatment plant or water distribution system that is designated on the issued certification.

(c) A certified operator shall be qualified to operate at the same classification of facility as the operator was certified to operate prior to the effective date of this rule.

(d) The commissioner may request proof of required experience to transition to a grade identified in subsection (a).

(e) A certified operator affected by the transition of certification according to this section may submit additional information to substantiate a request to transition to a grade other than that indicated in subsection (a) if the substantiating information is submitted to the commissioner by July 1, 2002. (*Water Pollution Control Board; 327 IAC 8-12-3.8*)

SECTION 12. 327 IAC 8-12-4 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-4 Examination of applicants to become a certified operator of a water treatment plant or water distribution system

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 4. (a) A standardized examination **prepared to reflect the duties and responsibilities required of each grade of water treatment plant and water distribution system certified operators** shall be:

(1) used ~~in testing to test~~ knowledge, ability, and judgment of the applicants an applicant to become a water treatment plant or water distribution system certified operator;

(2) conducted at least annually; and

(3) held at places and times set established by the commissioner:

(A) with at least sixty (60) days advanced announcement; ~~Examinations shall be conducted at least annually. and~~

(B) except in such cases as may be

declared necessary exceptions by the commissioner.

~~(d) An applicant~~ **(b) A person** wishing to take an examination **be examined for water treatment plant or water distribution system certification shall fulfill the following requirements:**

(1) Complete an application on a form provided approved by the commissioner and file it, with the necessary fee, in the office of the commissioner not later than forty-five (45) days preceding the date of the examination. The information supplied on the application shall be that:

(A) contains true and correct accurate information to the best of the applicant's knowledge; and any

(B) is free of omissions or and misrepresentations either of which may result in ineligibility for the examination applied for rejection of the application or revocation of any certificate previously granted.

(2) Submit a completed application, with the necessary fee, to the commissioner not later than forty-five (45) days preceding the date of the examination.

~~(e) An applicant seeking certification without examination by reciprocal recognition or on a provisional basis may file the application and fee at the applicant's convenience, subject to expiration dates delineated in other sections of this rule.~~

~~(f)~~ **(c) The commissioner shall:**

(1) review applications an application and supporting documents concerning the eligibility of the an applicant for water treatment plant or water distribution system certification; and notify the applicant in writing of the applicant's status and of the

(2) issue a written notification in the form of an admission slip, providing the time and place of the examination, if the to be presented by an applicant is to take an deemed eligible for examination.. This notification shall be an admission slip to be presented at the time and place of the examination.

(d) A person who has been notified and scheduled to take an examination:

(1) may elect not to take the next examination until the next submit a written request to the commissioner for a postponement to take the examination date, which will be offered six (6) months later, one (1) offering later than the examination granted by the commissioner if: the person feels

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~~(3) Examination papers will not be returned to the applicants, but shall be retained by the commissioner with an opportunity afforded to an individual may applicant notified of having failed the examination for review his or her test up to of the graded examination until a date ninety (90) days prior to the next scheduled examination by submitting a written request if the applicant submits the following to the commissioner:~~

~~(A) A written request for review of the graded examination.~~

~~(B) A statement affirming the applicants understanding that examination review does not include the right to copy, by any means, the examination or any portion of it.~~

~~(h) Different examinations will be prepared to reflect the basic differences in the duties and responsibilities required of applicants to operate the varying classifications of plants and systems.~~

~~(i) An applicant who has been notified and scheduled to take an examination, but does not attend without prior notification to the commissioner, will be considered to have failed that examination. An applicant who is caught cheating on an examination will also be considered to have failed that examination and will not be eligible to take any examination for the next two (2) years.~~

~~(j) An applicant (f) A person previously certified as a water treatment plant or water distribution system operator under this rule but who has failed to meet the renewal requirements under according to section 7(e)(3) of this rule shall show proof of continuing education before being accepted to must:~~

~~(1) retake an examination; and~~

~~(2) meet the renewal requirements of section 7(e)(3), including an amount of continuing education shall be equivalent to that required for one (1) renewal period, as specified in section 7(h) 7.5 of this rule;~~

within a grace period of one (1) year.

~~(k) An operator holding a valid municipal certificate of any level (Class I, Class II, Class III, or Class IV) may obtain a Class A industrial certificate without examination by submitting an application for the Class A certificate. An operator holding a valid industrial certificate of any level (Class A, Class B, Class C, or Class D) may obtain a Class I municipal certificate without examination by submitting an application for the Class I certificate (Water Pollution Control Board; 327 IAC 8-12-4; filed Sep 24, 1987, 3:00 p.m.: 11 IR 723; filed Sep 19, 1990, 3:00 p.m.: 14 IR 265; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1235)~~

SECTION 13. 327 IAC 8-12-5 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-5 Certification fees

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-6.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 5. (a) Fees for **water treatment plant and water distribution system operator** certification shall be as follows:

(b) ~~No fees paid by an applicant who is not qualified to take the examination or who fails to pass.~~ **An application fee will not be returned to an applicant:**

- (1) who is deemed by the commissioner to be ineligible for water treatment plant or water distribution system certification examination;**
- (2) who does not receive a minimum score of seventy percent (70%) as required by section 4(e)(1) of this rule; or**
- (3) whose examination is voided for cheating according to section 4(d)(2)(B) of this rule.**

(Water Pollution Control Board; 327 IAC 8-12-5; filed Sep 24, 1987, 3:00 p.m.: 11 IR 724; filed Sep 19, 1990, 3:00 p.m.: 14 IR 266; filed Oct 22, 1991, 5:00 p.m.: 15 IR 225; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1236; errata filed Mar 9, 1995, 4:15 p.m.: 18 IR 1836; filed Sep 3, 1996, 3:00 p.m.: 20 IR 12)

SECTION 14. 327 IAC 8-12-6 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-6 Certification; reciprocity; provisional certificate

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 6. (a) The commissioner shall issue ~~asuitable~~ **certified operators grade** certificate designating competency in the appropriate ~~classification~~ **certified operators grade** to each person who makes proper application ~~when if the applicant has met~~ **meets** the necessary requirements of education and experience ~~and has been found competent in his classification by~~ **successfully completes a grade appropriate examination. Upon successful completion of examination according to section 4 of this rule, the commissioner shall issue a certification in the certified operator grade in which the applicant was examined.**

(b) The commissioner may issue a certificate by reciprocity as outlined ~~in IC 13-1-6-4. IC 13-18-11-9~~ **if the following conditions are met:**

(1) A person seeking reciprocal certification submits an application for such a certificate ~~shall include~~ that includes the following:

(A) Proof of the current certification ~~and classification~~

(B) Grade of the applicant. ~~To transfer a certificate by reciprocity~~

(2) A person from another state ~~no~~ seeking a certificate by reciprocity earns the number of continuing education contact hours ~~of credit will be required initially. However, after the transfer, for all future renewal periods, in~~

the **time period** required ~~number of~~ **by section 7.5(a) of this rule** thoughno continuing education contact hours ~~must be earned and credited~~. **shall be required at the time of conferring the reciprocal certification.**

(c) The commissioner may issue a provisional **water treatment plant or water distribution operator-s** certificate, if necessary, to fill a vacancy created by death, resignation, extended illness, or similar cause when **the following occur:**

(1) The governing body or owner of a **water** treatment plant or water distribution system ~~makes~~ **submits a** written request ~~The written request shall specify~~ **specifying** the existence of the vacancy and **a reason necessitating the provisional certification, including one (1) of the following:**

(A) **To fill a vacancy created by death.**

(B) **Resignation of the certified operator in responsible charge.**

(C) **Extended illness of the certified operator in responsible charge.**

(D) **A justifiable cause due to unforeseen circumstances beyond the control of the governing body or owner that leaves the treatment plant or distribution system without a certified operator.**

(2) **The written request required by subdivision (1) provides** the name, education, and experience ~~qualifications~~ of the person for whom the provisional certificate is requested.

(3) ~~The request shall be accompanied by an application in proper form from the named provisional certificate nominee~~ **named under subdivision (2) submits, simultaneously with the request submitted under subdivision (1), an application as required by section 4(b) of this rule** requesting examination and certification.

(4) ~~The provisional certificate will be issued only if the individual nominee~~ **named under subdivision (2) is eligible at the time of the request submitted under subdivision (1) for the next scheduled certification** examination.

(d) ~~The A provisional certificate normally will~~ **shall** be: for

(1) **issued by the commissioner in the form of a letter that specifies the**

conditions of the certification; and

(2) valid for the shorter of the following lengths of time:

(A) The period between the date of application and the end of the thirty (30) day grading period following the next examination ~~which that is available to the applicant, but not exceeding a period of~~ **provisional certificate nominee.**

(B) One (1) year. ~~It will be in the form of a letter delineating the conditions of the certification.~~

(Water Pollution Control Board; 327 IAC 8-12-6; filed Sep 24, 1987, 3:00 p.m.: 11 IR 724; filed Sep 19, 1990, 3:00 p.m.: 14 IR 266; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1236)

SECTION 15. 327 IAC 8-12-7 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-7 Certificates and certification cards; renewal; duplicates

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 7. (a) ~~Certificates will~~ A water treatment plant and water distribution system operators certificate shall:

(1) be issued after an applicants successful completion of the grade appropriate examination;

(2) specify the month and year that the applicant qualified and the issuance date of the certificate;

(3) be permanent in nature but will be effective only when validated by a current certification card; ~~No certificate will and~~

(4) Not be valid if obtained through fraud, deceit, or by the submission of inaccurate data on the application.

~~(b) A certificate issued on the basis of the applicant's having been in responsible charge of the treatment plant or distribution system (on July 1, 1968, for wastewater treatment plants, or on July 1, 1972, for water treatment plants and distribution systems) shall remain valid until there is a change in the classification of the plant or system, or until such time as the operator is no longer in direct responsible charge. Such a change may be based on increased capacity, an increase in population served, a basic change in the method of treatment, or other change in conditions which requires a more difficult~~

~~operation.~~

~~(c) Certificates will be dated with the month and year when the applicant qualified and the certificate was issued. The certificate of each operator shall be displayed prominently in his office. An operator who supervises more than one (1) plant or system shall obtain a duplicate certificate to display in the office of each utility supervised.~~

(b) A water treatment plant or water distribution system certified operator must:

(1) provide permanent and visible display of his or her certificate at the water treatment plant or water distribution system office; and

(2) obtain a duplicate certificate to display in the office of each water treatment plant and water distribution system supervised, if the certified operator supervises more than one (1) water treatment plant or water distribution system.

~~(d)~~ **(c) A certification card shall:**

(1) be issued simultaneously with the certificate;

(2) be issued for periods a time period of no more than twenty-four (24) thirty-six (36) months; and shall

(3) expire on the last day of June nearest the end of thebiennial triennial period following issuance.

~~(e) In the event that~~ **(d) A water treatment plant or water distribution system certified operator needing a replacement or duplicate certificate is needed, the operator must make or card submit a written request to the commissioner that includes the following:**

(1) The following information:

(A) The request must state the class or grade of the water treatment plant or water distribution system certified operator.

(B) The name and classification of the water treatment plant or water distribution system to be operated.

(C) The date of issuance of the original certificate if known. and.

(D) The certificate number.

(2) A fee specified according to section 5(a)(4) or 5(a)(5) of this rule.

~~(f) (e)~~ The commissioner shall ~~notify each certified person by letter, mailed to the last known address filed with the commissioner, of~~ **accomplish the following:**

(1) Issue to each certified operator of a water treatment plant or water distribution system a renewal notification stating the following:

(A) The expiration date of ~~his~~ **the certified operator's** certification card. ~~and~~

(B) The amount of the fee required for ~~its~~ **certification card** renewal. ~~Such notice shall be mailed~~

(2) Mail certification card renewal notifications:

(A) at least thirty (30) days prior to expiration of the certification card; ~~The biennial renewal fee shall be due and payable~~ **and**

(B) to the last known address filed with the commissioner.

(3) Renew a certification card if:

(A) the continuing education requirements of section 7.5 of this rule are met;

(B) a renewal fee described in section 5(a)(3) of this rule is submitted to the commissioner on or before the first day of July of the ~~biennial~~ **triennial** period for which a certification card is to be issued; **and**

(C) the notice ~~shall be~~ **is** signed and returned with the renewal fee **by the certified operator** to the commissioner's office. ~~commissioner.~~

~~(g) A certification card that has not been renewed on time may be reinstated by the~~ **(4) Reinstate certification if the operator:**

(A) submits payment of any arrearage of fees;

(B) submits payment of the current renewal fee;

(C) passes the grade appropriate examination;

(D) fulfills arrearage of continuing education credit requirements; and

(E) is current in meeting continuing education credit and current renewal fee Certification cards which are requirements.

(5) Deny renewal of a certification card that is not renewed within the time limit established in IC 13-1-6-3(d) shall only be reinstated by reapplication and examination section 7.5(a) of this rule and IC 13-18-11-6(c) unless the operator pursues reinstatement through reapplication and reexamination following the requirements of section 4 of this rule.

~~(h) All certified wastewater treatment plant, water treatment plant, and distribution system operators are required to obtain proof of continuing education prior to having their certification card renewed. Continuing education credits required to be obtained during each two (2) year period are as follows:~~

~~(1) Wastewater treatment plant operators as follows:~~

~~(A) Class I-SP and Class A-SO, complete five (5) contact hours of training. For Class I-SP or Class A-SO certification cards expiring June 30, 1994, the operator shall complete continuing education requirements by June 30, 1996. For Class I-SP and Class A-SO certification cards expiring June 30, 1995, the operator shall complete continuing education requirements by June 30, 1997.~~

~~(B) Class A, Class B, Class I, and Class II, complete ten (10) contact hours of training.~~

~~(C) Class C, Class D, Class III, and Class IV, complete twenty (20) contact hours of training.~~

~~(D) Operators holding a Class O.I.T. certificate will not be required to obtain continuing education.~~

~~(2) Water treatment plant operators as follows:~~

~~(A) Class DS, complete five (5) contact hours of training.~~

~~(B) Class DS-L and Class CT, complete ten (10) contact hours of training.~~

~~(C) Class PF and Class GF, complete fifteen (15) contact hours of training.~~

~~(D) Class AT and Class SP, complete twenty (20) contact hours of training.~~

~~(i) The continuing education requirement of this section shall commence as follows (excluding Class I-SP and Class A-SO certifications, which are covered in subsection (h)):~~

~~(1) For certification cards expiring June 30, 1990, the operator shall complete continuing education requirements by June 30, 1992, and by June 30 every two (2) year period thereafter.~~

~~(2) For certification cards expiring June 30, 1991, the operator shall complete continuing education requirements by June 30, 1993, and by June 30 every two (2) year period thereafter.~~

~~(j) For those holding multiple certifications, duplicate continuing education credit may be given for training in subjects applicable to each type of certification held. Those holding certification in water and wastewater must meet the continuing education requirement for both programs.~~

~~(k) Wastewater operators holding both an industrial and municipal certificate will not be required to obtain continuing education for both certificates (assuming both certificates expire on the same date). An operator can still meet requirements for both certificates even if each certificate expires on different dates, if the operator obtains all continuing education credits during the one (1) year that both certificate overlap. The person must meet the continuing education requirement for the highest certificate held. (Water Pollution Control Board; 327 IAC 8-12-7; filed Sep 24, 1987, 3:00 p.m.: 11 IR 724; filed Sep 19, 1990, 3:00 p.m.: 14 IR 267; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1236)~~

SECTION 16. 327 IAC 8-12-7.1 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-7.1 Continuing education credit; criteria for approval

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-6.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 7.1. (a) ~~Procedures and criteria for approving~~Continuing education contact hour creditto satisfy the requirements of section 7(h) of this rule are as follows**shall be given only for completed course work that has been approved by the commissioner according to the following:**

(1) Any A training provider may apply to the commissioner forhas submitted an application and received continuing education courseapproval of a-

course. ~~The application must be submitted to~~ **from the commissioner prior to publicly offering a water treatment plant or water distribution system continuing education course.** The application must:

(A) be submitted on a form approved by the commissioner;

~~(A)~~ **(B) be submitted at least no less than sixty (60) days before the first date on which when the course is offered. conducted;**

~~(B) contain the information required in subdivision (4); and~~

(C) be accompanied by the a written course outline or brochure; and

(D) contain the following information:

(i) Name, address, and telephone number of a course sponsor, training provider, or other contact person.

(ii) Name of course.

(iii) Specific topics that are included in the course presentations.

(iv) Amount of time devoted to each topic.

(v) Instructors name and qualifications, including the following:

**(AA)
Educational
background.**

**(BB)
Professional
experience.**

(CC)
**Current
professional
affiliation.**

(vi) **Dates and locations
where the course will be
offered.**

(2) ~~The commissioner shall approve the~~ **water treatment plant or water
distribution system continuing education** course if it meets the following
requirements:

(A) The course deals with **one (1) or more of the
following as determined by the commissioner:**

(i) **Technical** matters
related directly to water
distribution ~~water or
wastewater~~ **water**
treatment. ~~or~~

(ii) **General matters
related to** the ~~professional
responsibility
responsibilities of a
certified operators.
operator.~~

(B) Each ~~instructor/speaker~~ **instructor or speaker** is
qualified by academic work or practical experience
to teach the ~~assigned subject.~~ **proposed water
treatment plant or water distribution system
continuing education course.**

~~(3) An~~ (b) **A water treatment plant or water distribution system certified** operator may ~~apply
petition the commissioner~~ for approval of a **water treatment plant or water distribution system
continuing education** course either before or after the date on which it is offered **if the following
procedures are met:**

(1) **An application of petition is submitted to the commissioner prior to or
within thirty (30) days of course completion.**

(2) The application must contain the information required ~~in subdivision (4).~~
by subsection (a)(1)(A), (a)(1)(C), and (a)(1)(D).

(3) The **certified** operator must supply written proof of attendance within thirty (30) days after course completion.

~~(4) Any application for approval of a course shall be made on a form furnished by the commissioner which contains the following:~~

~~(A) Name, address, and telephone number of sponsor/training provider.~~

~~(B) Name of course.~~

~~(C) Specific topics on which there are to be presentations.~~

~~(D) Time devoted to each topic.~~

~~(E) Instructor (name, educational background, professional experience, and current professional affiliation).~~

~~(F) Dates and locations at which the course will be offered.~~

~~(b) (c) Continuing education contact hours of credit earned in another state must be reviewed and approved even if whether that particular state has reciprocity with the state of Indiana for the purpose of transferring a certificate of~~ **water treatment plant or water distribution system operator competency, may be eligible for credit if the commissioner is provided the information required by subsection (a)(1)(A), (a)(1)(C), and (a)(1)(D) for the course work from which the contact hours were earned.**

~~(c) All training providers must maintain records on the date of the training, the names of all individuals attending the training session, length of the session, the instructor's name, the program content, and the organization sponsoring the training. These records shall be maintained for a five (5) year period.~~

~~(d) Training providers must submit a record of individuals attending courses within thirty (30) days of the conclusion of the course. These records shall be maintained for a five (5) year period. The form for submitting proof of attendance will be supplied by the commissioner. The form will contain the following:~~

~~(1) Name of course.~~

~~(2) Name of individual attending course.~~

~~(3) Date of course.~~

(e) Individuals ~~(d)~~ **A certified operator** who are instructors for a training session or classroom will be given the same credit as the individuals receiving the training. Partial credit will not be given to instructors or individuals participating in a portion of a seminar **is an instructor or speaker at a water treatment plant or water distribution system continuing education course shall be credited the same number of contact hours as the students of the course.** *(Water Pollution Control Board; 327 IAC 8-12-7.1; filed Sep 19, 1990, 3:00 p.m.: 14 IR 268; filed Dec 12, 1994, 4:39 p.m.: 18 IR 1237)*

SECTION 17. 327 IAC 8-12-7.5 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-7.5 Continuing education requirements

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-6.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 7.5. (a) All water treatment plant and water distribution system certified operators shall fulfill continuing education requirements in amounts specified in Table 7.5(b) in subsection (b) during each three (3) year period following the issuance of the certification card and prior to having that certification card renewed.

(b) Continuing education credits required for certification card renewal in the grades of water treatment plant and water distribution system certified operators are listed in the following table

Table 7.5(b)

Certified Operator Grades, Water Distribution System and Water Treatment Plant	Continuing Education Credits Required for Renewal
Grade O.I.T.	Contact hours shall match those required for the classification where operator is in training; certification card not renewable
Grade DSS	10 contact hours
Grade DSM	15 contact hours
Grade DSL	15 contact hours

Grade WT 1	10 contact hours
Grade WT 2	15 contact hours
Grade WT 3	25 contact hours
Grade WT 4	30 contact hours
Grade WT 5	30 contact hours
Grade WT 6	30 contact hours

(c) Continuing education credits required according to Table 7.5(b) in subsection (b) must adhere to a distribution of subject matter according to the following:

(1) A minimum of seventy percent (70%) of the required continuing education contact hours shall be obtained from the technical category of approved continuing education courses.

(2) No more than thirty percent (30%) of the required continuing education contact hours shall be obtained from nontechnical subject matter of approved continuing education courses.

(d) A person having a valid certification card in more than one (1) classification of water treatment plant or water distribution system:

(1) may be given duplicate continuing education credit from a single approved continuing education course for each water treatment plant and water distribution system certification to which the subject matter is applicable; and

(2) must obtain the greatest number of continuing education contact hours required by the various certifications held within the shared time period of overlap in order not to be required to obtain continuing education for each certificate held.

(Water Pollution Control Board; 327 IAC 8-12-7.5)

SECTION 18. 327 IAC 8-12-7.5 IS ADDED TO READ AS FOLLOWS:

327 IAC 8-12-7.6 Continuing education credit; training provider responsibilities

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-6.5; IC 13-18-11-13

Affected: IC 13-18-11

Sec. 7.6. (a) A training provider shall generate records of each water treatment plant or water distribution system continuing education course conducted that include the following:

- (1) The date of the water treatment plant or water distribution system continuing education course.**
- (2) The name of each person attending the water treatment plant or water distribution system continuing education course.**
- (3) The length of time of the course.**
- (4) The instructor's name.**
- (5) The course content.**
- (6) The name of the organization sponsoring the course.**

(b) Records required by subsection (a) shall be maintained for a five (5) year period following the presentation of each water treatment plant or water distribution system continuing education course.

(c) A training provider must submit the information required by subsection (a) to the commissioner according to the following:

- (1) On a form approved by the commissioner.**
- (2) Within thirty (30) days of the conclusion of the water treatment plant or water distribution system continuing education course.**

(Water Pollution Control Board; 327 IAC 8-12-7.6)

SECTION 19. 327 IAC 8-12-8 IS AMENDED TO READ AS FOLLOWS:

327 IAC 8-12-8 Suspension or revocation of certification

Authority: IC 13-14-8; IC 13-18-11-1.5; IC 13-18-11-8; IC 13-18-11-13

Affected: IC 4-21.5; IC 13-18-11

Sec. 8. The commissioner may **suspend or** revoke the certificate of ~~any~~ **a water treatment plant or water distribution system certified** operator, following a hearing pursuant to IC 4-21.5, ~~when~~ **if** it is found that the **certified** operator has violated any of the provisions set out in ~~IC 13-1-6-3(f)~~ **provision of IC 13-18-11-8.** *(Water Pollution Control Board; 327 IAC 8-12-8; filed Sep 24, 1987, 3:00 p.m.: 11 IR 725)*